

**REVISIONAL NOTES ON THE AUSTRALIAN SPECIES OF
TENUIPALPUS (ACARINA, TETRANYCHIDAE)**

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In these Transactions, vol. 64, pt. 2, p. 236-242 ("Studies in Australian Acarina: Tetranychidae and Trichodenidae"), I described or recorded the following species of *Tenuipalpus* Donnadieu from Australia: *phoenicis* Geijskes 1939, *californicus* Banks 1904 and *vitis* Wom.

The last two species were distinct from the first in being very much less chitinised, in lacking the distinct and well-defined propodosomal and opisthosomal dorsal plates with their marked reticulations, and in the absence of the distinct ventral plates.

Since publishing my paper I have been indebted to Mr. S. L. Allman, of the Department of Agriculture, Sydney, for the loan of certain further specimens, in which he had observed that the adult cuticle was well differentiated within that of the nymph. From these specimens it is now possible to definitely ascertain the relationship of particular nymphs to particular adults, with the following results in synonymy:

TENUIPALPUS CALIFORNICUS Banks, 1904

J. New York Entom. Soc., 1904, p. 55.

= *Tenuipalpus phoenicis* Geijskes: Meded. Landbouwhoogeschool, Wageningen, 42, (4), 1939.

= " " Womersley: Trans. Roy. Soc. S. Aust., 64, (2), 237, 1940.

= " *californicus* Womersley: Trans. Roy. Soc. S. Aust., 64, (2), 239, 1940.

The type of this species is therefore the form (nymphal) described by Banks and also figured by Quayle (1912).

TENUIPALPUS AUSTRALIS Tucker, 1926

Div. Entomology, Dept. Agric., Mem. No. v., S. Africa, 1926, p. 3, pl. i, pl. iii, fig. C-J.

= *Tenuipalpus vitis* Womersley: Trans. Roy. Soc. S. Aust., 64, (2), p. 241.

Specimens collected from Virginia Creeper, Armidale, New South Wales, 22 November 1940, and sent to me by Mr. Allman, show very clearly the form described and figured by Tucker, within the nymphal cuticle of *T. vitis*. It is therefore definitely established that the form *vitis* is but the early stage of *australis*.

T. australis was described from South Africa and, as such, has not hitherto been recorded from Australia. My record of *vitis* from lemons at Perth, Western Australia, must now be referred to Tucker's species.

The most obvious difference in the adult is that in *californicus* there are only 6 clavate setae around the posterior margin of the opisthosoma, whereas there are 8 in *australis*.

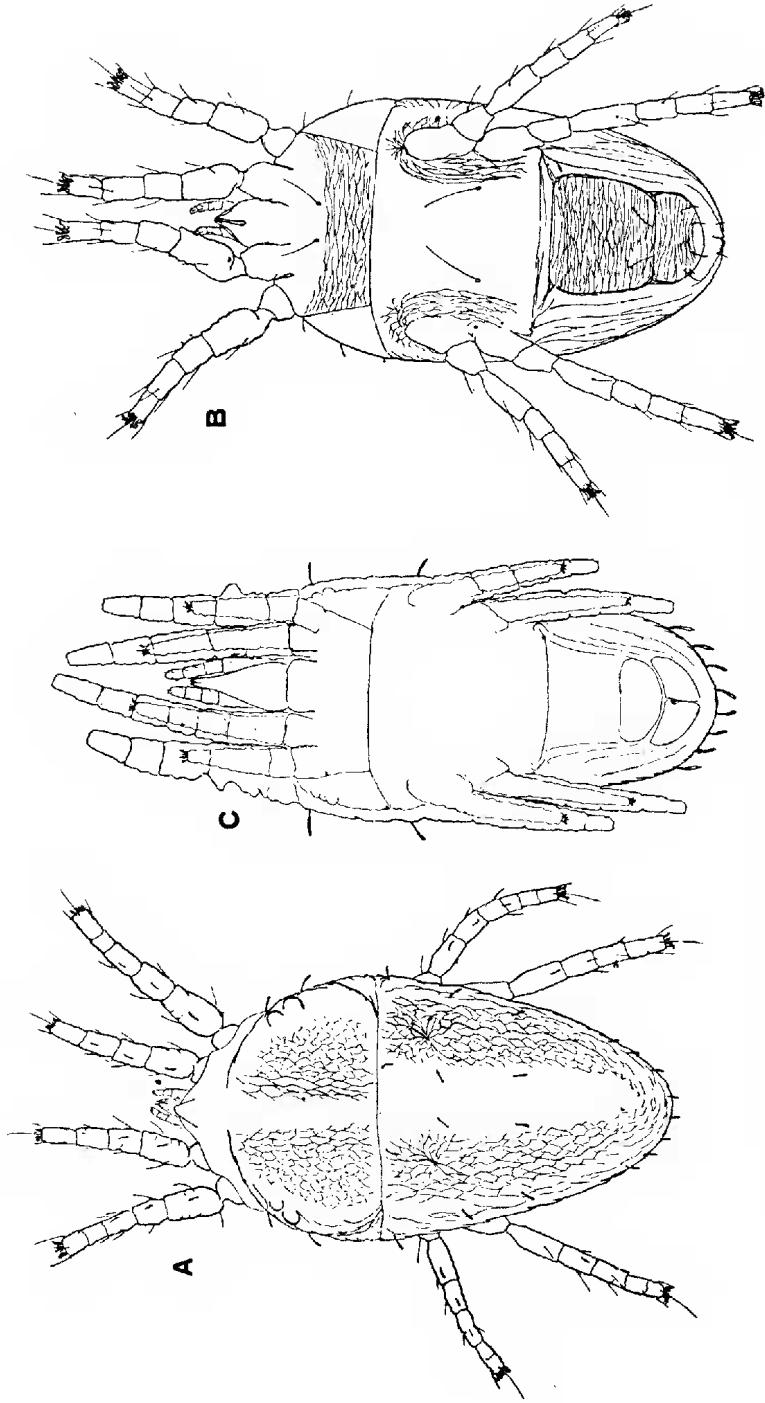


Fig. A, *Tenuipalpus australis* Tucker, dorsal view; B, ditto, ventral view;
 C, *Tenuipalpus californicus* Banks showing adult instar within nymphal cuticle; ventral view.